

**John Carlson**

Senator District 4  
320 State Capitol Building  
75 Rev. Dr. Martin Luther King, Jr. Blvd.  
St. Paul, MN 55155  
Office phone: (651) 296-4913



Received & Inspected

AUG - 1 2011

FCC Mail Room

**Senate**

State of Minnesota

July 25, 2011

445 12<sup>th</sup> Street, SW  
Washington, D.C. 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB  
Docket No. 11-109

Dear Ms. Dortch:

I am writing to ask the Commission's help to bring reliable broadband Internet and cell phone coverage to rural communities.

I represent a senate district in northwestern Minnesota that is comprised of all or parts of five counties. While there are several regional centers, much of my district is comprised of small towns, farms and lakes. It is a popular summer vacation destination for Minnesotans seeking fun on lakes and opportunities to fish, water ski, boat or just relax in a hammock at the cabin.

Unfortunately, for the year-round residents of my district and summer visitors, access to reliable cell phone coverage and wireless broadband Internet is a source of stress, not relaxation. Rural America needs better cell phone coverage. We also need more high-speed broadband wireless capacity. But no national carrier wants to make the investment in counties like mine where the lack of population makes erecting and maintaining a network cost prohibitive.

The good news to this problem is LightSquared's satellite network that will allow isolated communities to have access to 4-G cell phone and internet services. I encourage the Commission to move without delay to consider their application to initiate service. I understand that some are opposing LightSquared's application because they have created receivers that operate in LightSquared's authorized space and LightSquared's signals might interfere with these receivers. If that is the case, the manufacturers of these devices should fix them and not seek to restrict the benefits that LightSquared would bring to the telecommunications marketplace.

Sincerely,

John Carlson

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**MIKE SCHAUFLE**  
**State Representative**  
District 48



**HOUSE OF REPRESENTATIVES**  
**SALEM, OR 97301**

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**FCC Mail Room**

July 26, 2011

Ms. Marlene H. Dortch, Secretary  
Federal Communications Commission  
445 12th Street SW  
Washington, D.C., 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB Docket No. 11-109

Dear Ms. Dortch:

As Co-Chair of the House Committee on Business and Labor and the Representative for Oregon House District 48, I am writing to express support for LightSquared's plans to bring a much-needed 4G-LTE wireless network to Oregon

At a time when demand for mobile broadband is driving prices and congestion through the roof, expanding next-generation wireless capacity should be a top priority of Congress. The U.S. is lagging when it comes to broadband speed, relegating some communities to second-class status in the Information Age and holding back economic recovery. Improving wireless broadband speed and reliability is especially important in rural Oregon, where it can help revitalize the economy and create jobs.

LightSquared's wholesale 4G network will increase sorely needed competition by enabling a diverse group of companies to sell wireless broadband -- including retailers, cable operators, device manufacturers, Internet content creators and application providers. By making it possible for dozens of new competitors to bring high-speed wireless Internet to all Americans on wireless devices, LightSquared's wholesale plan will ultimately drive down consumer costs, help bridge the digital divide and enable businesses and individuals to remain in now-underserved areas rather than relocating based on broadband availability.

The build out of the LightSquared network carries with it great economic potential. The company plans on investing \$14 billion in the creation of its network and anticipates creating 100,000 direct and indirect private sector jobs over the next five years through the build-out, administration, and utilization of the network.

Oregon businesses stand to gain real benefits and Oregon citizens stand to gain good jobs from the creation of the LightSquared network.

Please work to ensure that this important new mobile broadband service comes to Oregon as soon as possible.

Sincerely,

A handwritten signature in black ink, appearing to be "Mike Schaufler", written over a horizontal line.

Representative Mike Schaufler  
Co-Chair House Committee on Business and Labor

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USIA BODE



Steve Crane  
1816 Lagoon Ln  
Cape Coral, FL 33914-2509

July 24, 2011

Federal Communications Commission  
445 12th St., SW  
Room TWA325  
Washington, DC 20554

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**AUG 01 2011**

FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals


Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, please guarantee the accuracy of boater's GPS positioning will not be interfered with.

Many boaters use their GPS to drive boats like a video game. There is so much information on the large screens and the boat is displayed accurately IN THE CHANNEL day after day. If suddenly that accuracy went away Grandpa would put his 60 footer aground in minutes.

We have such a great system. Make sure it stays that way.

Sincerely,

  
Steve Crane  
239 945 4033

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Date \_\_\_\_\_



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E-Mail [aas@atlantisacrial.com](mailto:aas@atlantisacrial.com)

July 25, 2011

Mr. Julius Genachowski  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

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AUG - 1 2011

FCC Mail Room

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,  
Ed Drelich, PLS, RCP  
Project Manager  
Atlantis Aerial Surveys, Inc.  
295 Rt 46, Budd Lake, NJ 07828  
VOICE: 973-691-4402

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## ROCKAWAY TOWNSHIP

65 MOUNT HOPE ROAD, ROCKAWAY, NEW JERSEY 07866

DEPARTMENT OF ENGINEERING, CODE ENFORCEMENT & LAND USE

July 25, 2011

Mr. Julius Genachowski  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

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Sincerely,

William A. Willadsen  
Municipal Surveyor

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